



## PolyFlo™ W Polypropylene Residential Water Vessels

Behringer PolyFlo™ W Series Vessels are an excellent choice and an economical solution to low flow residential water, as well as potable water applications. They are constructed of FDA grade polypropylene materials for both the head and the sump. All materials of construction are ANSI/NSF Standard 42 registered materials, and meet FDA standards for acceptable materials for potable water use. The W Series Vessels accept industry standard 2 ½” diameter filter cartridges in 5, 10 and 20 inch nominal lengths. Additional accessories such as mounting brackets, filter wrenches, and pressure relief valves are available to ease installation and operation of the unit.

## Applications

- Potable Water
- Residential Water
- Pre-filters
- Industrial Water
- Food Processing
- Food Products
- Coolants
- Waste Effluent

## Features and Benefits

- Polypropylene head and sump are available in white, blue, or black color, and sump is also offered in clear. These materials are NSF listed materials and meet FDA material requirements for food-grade applications
- Standard Connections ranging from 1/4”, 3/8”, 1/2”, or 3/4” NPT.
- Butress thread design for superior sealing and leak-resistance
- Top-seated O-rings between cap and sump compress to eliminate leaks
- Mounting threads in head, with optional mounting brackets for pipe and wall mounting
- Accepts industry standard cartridges with 2 ½” diameter in three standard lengths: 4-7/8”, 9-3/4”, and 20”
- Available with or without pressure relief vent button.
- Installation wrenches are available to facilitate faster element change-outs
- Accepts Behringer’s string wound, melt-blown, pleated polypropylene, resin bonded, and activated carbon cartridges

## Specifications

### Recommended Operating Conditions

Type:	PolyFlo™ Inline T-Type
Connections:	1/4", 3/8", 1/2", or 3/4" NPT
Max Operating Pressure:	125 psi (8.75 bar)*
Max Operating Temperature:	125° F (52° C)*
Recommended Flow Rate:	
5"	2.5 gpm (9.5 lpm)
10"	8 gpm (30 lpm)
20"	16 gpm (60.5 lpm)

### Materials of Construction

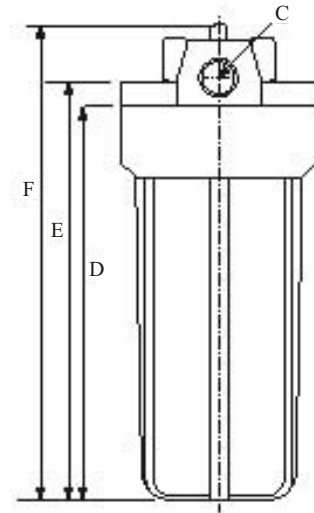
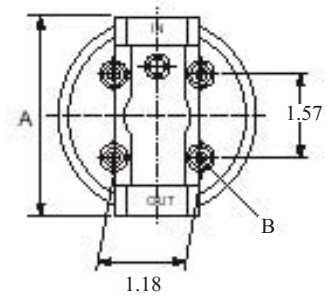
Head:	NSF Listed FDA Polypropylene
Bowl:	NSF Listed FDA Polypropylene
O-Ring Seal:	EPDM (standard) Viton (optional)

### Cartridge Specifications

Cartridge OD:	2.50 in. (63.5mm)
Cartridge ID:	1.06 in. (27mm)
Cartridge Ends:	Double Open End
Cartridge Lengths:	5 in.: 4.875 in. (124 mm) 10 in.: 9.75 in. (248 mm) 20 in.: 20.0 in. (508 mm)

\* Max operating pressure of 125 psi is at ambient operating temperatures of 70° F (21° C)

Please note: maximum operating temperature is for the housing only, and is not indicative of the maximum operating pressure of the filter cartridge.



### Dimensions

Housing	A	B	D	E	F
5"	4.28	0.16	5.7	7.0	7.5
10"	4.72	1.18	10.5	11.0	11.8
20"	4.72	1.18	20.47	21.26	22.8

C = Connection Size. See Model Code.

## Ordering Information

Table 1    Table 2    Table 3    Table 4    Table 5

# PFW

Length <span style="float: right;">Table 1</span>	
5	4.875 in. (124 mm)
10	9.75 in. (248 mm)
20	20.0 in. (508 mm)

Head <span style="float: right;">Table 2</span>	
KB	Black Head / Blue Sump
KK	Black Head / Black Sump
WW	White Head / White Sump
WC	White Head / Clear Sump

Ports <span style="float: right;">Table 3</span>	
2	1/4" NPT
3	3/8" NPT
4	1/2" NPT
5	3/4" NPT

Seals <span style="float: right;">Table 4</span>	
omit	EPDM
V	Viton

Options <span style="float: right;">Table 5</span>	
omit	Without relief valve button
PR	With relief valve button

### Notes:

5" Housings are only available in all white or white with clear sumps.  
Available connection ports for the 5" housing are 1/4" and 1/2" only.

The information contained in this document is provided as an aid in properly selecting products and/or options. It is intended to be used by technically experienced users for general reference only. The supplier assumes no responsibility or liability for the accuracy or completeness of this document, as well as results obtained by the use of this information. Due to the variety of possible operating conditions, it is highly recommended that the user make their own tests to determine the safety and suitability of all products and combinations thereof. The user is solely responsible for final determination of such conditions.